

ABSTRACT OF THE DISCLOSURE

This invention is to prevent deterioration in communication quality of closed loop transmission power control, which may occur when the change in transmission power cannot keep up with a sudden change in the state of a transmission path. Transmission power control command extractor 4 extracts a transmission power control command from the uplink signal that has been received by receiver 2. Mobile position predictor 7 predicts the future position of the mobile station from its present position as recognized by mobile position recognizer 5 and from its present rate of movement as recognized by mobile velocity recognizer 6. Database 8 records the state of the downlink transmission path as a function of mobile position. Transmission power controller 9 looks up database 8 on the basis of the predicted future position of the mobile station and controls the downlink transmission power of base station BS on the basis of (i) the result of this lookup, and (ii) the transmission power control command. Transmitter 11 transmits at the downlink transmission power that has been instructed by transmission power controller 9.